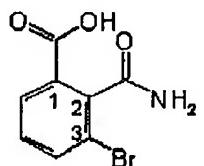
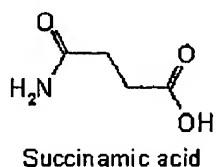


## Carboxylic Acids and their Derivatives

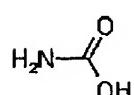
### Amic acids Rule C-431

431.1 - When a dicarboxylic acid has a trivial name and when one of its carboxyl groups is replaced by a carboxamide group -C(=O)-NH<sub>2</sub>, the resulting amic acid is named by replacing the suffix "-ic" of the trivial name of the dicarboxylic acid by the suffix "-amic".

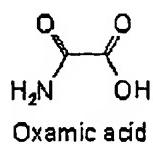
*Examples to Rule C-431.1*



The following names are also recommended:



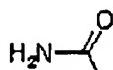
Carbamic acid



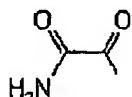
Oxamic acid

431.2 - Acyl radicals derived from the above amic acids are named by replacing the "-amic acid" ending by "-amoyl".

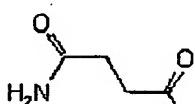
*Examples to Rule C-431.2*



Carbamoyl (from carbamic acid)



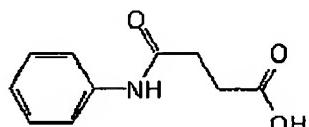
Oxamoyl (from oxamic acid)



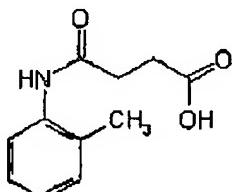
Succinamoyl (from succinamic acid)

**431.3** - When the corresponding dicarboxylic acid has a trivial or semitrivial name, *N*-phenyl derivatives of-amic acids are named by changing the ending "-amic acid" to "-anilic acid".

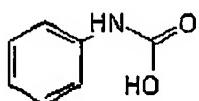
*Examples to Rule C-431.3*



Succinanilic acid



2'-Methylsuccinanilic acid

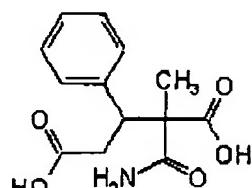
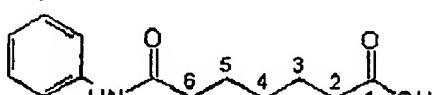
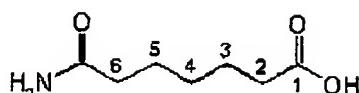


Carbanilic acid or Phenylcarbamic acid

**431.4** - Ionoamides of dicarboxylic acids without trivial names and the mono- or di-amides of tricarboxylic acids, etc., are designated as carbamoyl derivatives of the acid named on the basis of the remaining carboxyl groups.

(This Rule is partly alternative to Rule C-431.1.)

*Examples to Rule C-431.4*



*See Recommendations'93 R-5.7.1.*

*Next:*

Peroxy Acids [Rule C-441](#)

Imidic, Hydrazonic, and Hydroxamic Acids [Rule C-451](#)

Salts and Esters [Rule C-461](#), [Rule C-462](#), [Rule C-463](#), [Rule C-464](#)

Lactones, Lactides, Lactams, and Lactims [Rule C-471](#), [Rule C-472](#), [Rule C-473](#), [Rule C-474](#), [Rule C-475](#)

Acyl Halides [Rule C-481](#)

Acid Anhydrides [Rule C-491](#)



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